

III. CLAIM AMENDMENTS

1-17. (Cancelled)

18. (New) A cutting head of an eccentric cutting machine having a drive shaft (7) mounted rotatably relative to a machine frame (14), on which drive shaft (7) a rotor (13) with a housing (9) is arranged, in which a blade (1), arranged eccentrically relative to the drive shaft (7), is rotatably mounted, characterised in that the bearing arrangement (3) of the blade (1) is arranged on a spindle (4) oriented substantially parallel to the drive shaft (7) and connected non-rotatably with the housing (9) of the rotor (13).

19. (New) A cutting head of an eccentric cutting machine according to claim 18, characterised in that the bearing arrangement (3) of the blade is arranged in the axial plane of gravity (22) of the blade (1)

20. (New) A cutting head of an eccentric cutting machine according to claim 18, characterised in that the bearing arrangement (3) of the blade is arranged in the cutting plane (15).

21. (New) A cutting head of an eccentric cutting machine according to claim 18, characterised in that the bearing arrangement (3) of the blade is arranged at least partially outside the housing (9).

22. (New) A cutting head of an eccentric cutting machine according to claim 18, characterised in that the blade (1) is connected to a hub/shaft (2), whose bearing arrangement (3) is arranged inside the hub/shaft (2).

23. (New) A cutting head according to claim 18, characterised in that the spindle (4) is a hollow spindle.

24. (New) A cutting head according to claim 18, characterised in that the blade comprises a hub (2), which is mounted on a spindle (4) by means of the bearing arrangement (3).

25. (New) A cutting head according to claim 18, characterised in that the spindle (4) projects out of the housing (9).

26. (New) A cutting head according to claim 18, characterised in that the hub (2) at least partially encloses the bearing arrangement (3).

27. (New) A cutting head according to claim 18, characterised in that a seal (20) is arranged between hub (2) and rotor (13).

28. (New) A cutting head according to claim 18, characterised in that the hub (2) is driven by at least one drive means (5, 6, 10, 18, 19).

29. (New) A cutting head according to claim 11, characterised in that the hub (2) is driven by a shaft (5).

30. (New) A cutting head according to claim 18, characterised in that the rotor (13), the shaft (7) and/or the bearing arrangement (8) thereof is(are) at least in part temperature-controlled, preferably cooled.

31. (New) A cutting head according to claim 18, characterised in that the spindle (4) and/or the bearing arrangement (3) is(are) temperature-controlled, preferably cooled.

32. (New) A cutting head according to claim 30, characterised in that temperature control, preferably water-cooling, is particularly preferably effected with a water circuit (11, 12).

33. (New) A cutting head according to claim 18, characterised in that it is inclined relative to vertical.

34. (New) A slicing machine comprising a cutting head according to claim 18.